

Lemniscates edited on February 24, 2009 11:03 AM by Sam B. ()

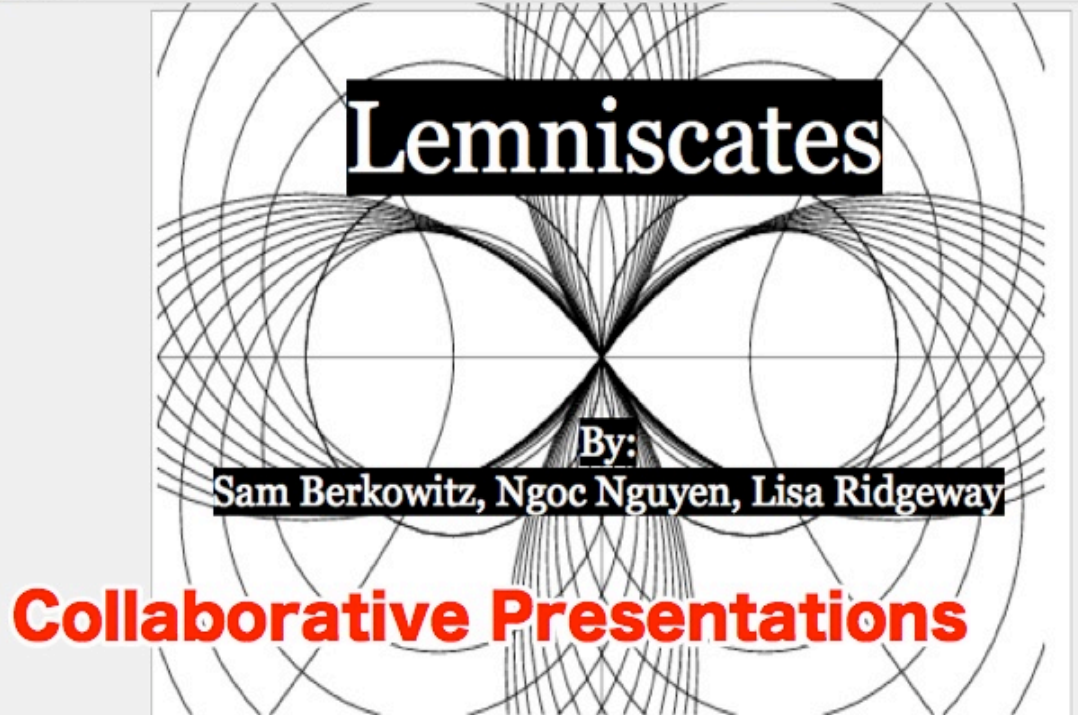
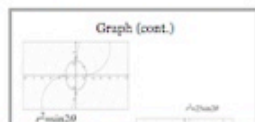
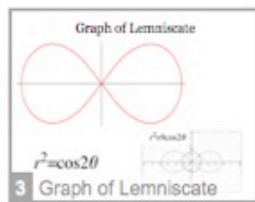
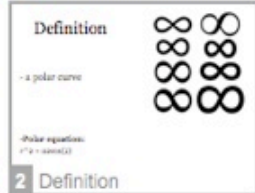
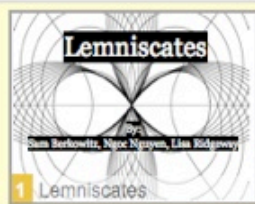
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Each group of students was assigned a special polar graph to research, define and explain in a single class period.

They used a graphing utility (grapher, sketchpad, calculator) to graph a polar equation given to them and had to find their group based on your graph that their equation created.

Each group created a google presentation about the special polar curve.

They included pictures of the curve and describe how the variables in the general form of the equation change the curve.

Each presentation discussed ideas like symmetry, max, and zero values.

Google docs allowed the students to do screen shots and do research on their own individual machines and add to a collaborative document.

See all of the completed projects

<http://umschneidermath.wikispaces.com/Special+Polar+Graphs>